** ALGERIA [non]. 9620, June 9 at 0602, RTA relay via FRANCE is starting with tweeting on own audio, self-imposed beep QRM as the defective ISS transmitter is now here; plus my own local bubbling from some device, quite a combination vs Arabic song (Glenn Hauser, OK, WOR)

** ANTARCTICA. 15476-, June 10 at 1451, JBA carrier from LRA36, another Wednesday-only broadcast over a mostly-water path from Esperanza to Enid. Cleaning up brush after another windstorm, I don`t get around to checking the Brazilian remotes this week (Glenn Hauser, OK, WOR)

** BRAZIL. 9665.067, June 4 at 0603, JBA music, presumed RVM, always off-frequency but much weaker than it can be. The only ZY I am detecting on 31m overnight. And hardly any left on the other bands.

We have lost *so many* SW stations, especially from this huge country which not long ago had a thriving domestic SW scene. Here are the SW frequency pages from the 2005 World Radio TV Handbook, only a sesquidecade ago. How many do you recognize or remember hearing?
https://www.w4uvh.net/2005WRTHBrazil126.jpg
https://www.w4uvh.net/2005WRTHBrazil127.jpg
(Glenn Hauser, OK, WOR) See also USA: WBCQ

** CANADA. 2749-USB, June 8 at 0524 UT, RoboYL in French JBA just as she`s going off; Nova Scotia area Canadian Coast Guard marine weather frequency; at least detectable despite high storm noise level not close to here but mainly from South Dakota into SW Ontario (commonly miscalled NW Ontario from the POV of Toronto); and some scattered Mexican spots. None of the four stations are supposed to be on air at this time per http://dxinfocentre.com/mb.htm (Glenn Hauser, OK, WOR)

** CANADA. 13270-USB, June 8 at 1427, VOLMET from Gander is JBA, simultaneous same robovoice somewhat stronger on 15034-USB Trenton Military (Glenn Hauser, OK, WOR)

** CHINA [and non]. 15130, June 5 at 1353, two Chinese mixing: CNR1 jammer and VOA via Tinang, PHILIPPINES, this hour only (Glenn Hauser, OK, WOR)

** CHINA [non]. 13650, June 5 at 1314, two equal stations in Chinese, partially music, a low-audible-heterodyne apart. In this case it`s not jamming but double-Commie incompetence, per Aoki/NDXC, this hour both Voice of KOREA [NORTH] in Chinese, and CRI in Chinese via Urumqi, EAST TURKISTAN, land of imprisoning and brainwashing Uighurs (which of course the Juche jackasses also impose on their own people) (Glenn Hauser, OK, WOR)

** CHINA. CNR1 jammers, June 5 at 1355-: 11440 S8-S9, 11150 S3-S5, 11100, 10920, 10870.

At 1359 a hasty scan above and below 13000 finds only 12880 in music.

At 1416, 11460 at S7-S9; 11580 S9+10/20 (Glenn Hauser, OK, WOR)

** CHINA [non]. 13650, June 5 at 2315-2357*, CRI Portuguese service via CUBA is nothing but nice instrumental Chinese music (NOT raucous Firedragon), to accompany my nap; cuts off without any announcement. They used to sign-on in Portuguese before defaulting to music, still? (Glenn Hauser, OK, WOR)

** CHINA. CNR1 jammer survey, June 6 at 1341: 14900 is S7-S9.

At 1346-1353, at least JBA carriers on relevant frequencies, some strong: 13530, 13160, 12880 S9+10, 11460 > 11440, 11170, 11150, 10960, 10920, 10820.

At 1434, 9300, Chinese at S4-S5, this frequency not listed by Aoki or EiBi for jammers or anything anywhen (Glenn Hauser, OK, WOR)

** CHINA. CNR1 jammer surveys: June 8 at 1320 on 9230, 9200, 9180; at 1355 none heard in the 12.8-13.3 MHz area; at 1332 JBA on 16100, 1358 music, 1400 timesignal and off. 15 MHz inbanders were also audible.

At 1424: 12500 JBA, 12820, 13020, 13130 best S4-S6; at 1429, 13530 S5-S8 (Glenn Hauser, OK, WOR)

** CHINA [non]. 13650, June 7 at 2350, S9+20/30, CRI ``Portuguese`` hour via CUBA music modulation cutting off and on continuously; totally unlistenable, but who cares. Something`s always wrong at RadioCuba (Glenn Hauser, OK, WOR)

** CHINA [and non]. CNR1 jammer survey, June 9, starting at 1351. Some of these are JBA carriers, so presumed, the stronger ones with metereadings, all in Chinese, no Firedragon heard; most against Sound of Hope, some USAGM:

13920 S6-S9; 13835; 13530 JBAC; 13160 JBAC; 13150; 12880 S5-S7; 12870 S5-S7; (12350? = 13740 Cuba minus 1390 KCRC local mix); 12190.

By now it`s 1357 with time running out this hour; skipping past any 25m in-band: 11460 S9-S7; 11170; 11150; 11100; 10920.

At 1417: 10820; 10960; 11070; 11100 S3-S6, 11440 S9-S6; 11460 S6-S9; 12190 JBAC; 12210 S5-S8; 12500 S6-S9; 12800 JBAC; 12820 JBAC; 12880

S6-S4. At 1423: 13020 S9/+10!; 14850 JBAC; 14920 JBAC.

At 1428: 15110 S8/S9+10 vs VOA Philippines, but no sign of it, just this CNR1 // 13020. Scanned up thru entire 16 & 17 MHz band but none more until:

At 1430: 17690, JBA but // 13020.

I seldom check after 1500 but I do today tuning down from 17690 which is now off: at 1505, none higher than: 11440, 11100, 11070 (and two JBA local mixes: 10770 = 12160 WWCR minus 1390 KCRC; 10490 = 11880 CRI Cuba minus 1390 KCRC).

So there you have a fraxion of the hyper-paranoid ChiCom attempt to block any dissent (Glenn Hauser, OK, WOR)

** CHINA. 13020, 11440, 10920, June 10 at 1453, the only CNR1 jammers found in scan from 13.3 to 10.8 MHz, JBA music or worse (Glenn Hauser, OK, WOR)

** CHINA [non]. Re my unlisted 9300 log, from a huge exhaustive all-band dekaday survey by Wolfgang Bueschel of ChiCom jamming: ``9299.959 0000-2359 TWN SOH Xi Wang Zhi Shen. Chinese Miaoli, S=9 at 00.40 UT on June 10.`` so it was SOH without jamming when he heard it (Glenn Hauser, OK, WOR)

** CUBA. 12200, June 5 at 0613, S4-S5 of dead air vs CODAR; obviously RHC 2 x 6100 also with dead air in English at S9+30/40. Something`s always wrong at RHC (Glenn Hauser, OK, WOR)

** CUBA. 13765, 13637, 13572, 13508 approx., but not 13830, June 6 at 1343, RHC spurs from 13700, extremely distorted but recognizable in AM, with F# tone. Something`s always wrong at RHC (Glenn Hauser, OK, WOR)

** CUBA. 6000, June 8 at 0011, no signal from RHC English; 6145 is S9+20/30 of dead air. Sometimes both are running from nominal *0000. Something``s always wrong at RHC (Glenn Hauser, OK, WOR)

** CUBA. 5040, June 8 at 0529, RHC in wrong language Spanish, while English succeeds on 6000, 6100, 6145, with 6060 still AWOL. Something`s always wrong at RHC (Glenn Hauser, OK, WOR)

** CUBA. 13740, June 8 at 1430, S9+20 of dead air while 13700 musix at S9+10/20, no spurs. Something`s always wrong at RHC (Glenn Hauser, OK, WOR)

** CUBA. 13740, June 9 at 2054, S6-S7 open carrier of RHC: this is not

something wrong, but warming up for nominal tarde start at 2100 on this and several others (Glenn Hauser, OK, WOR)

** CUBA. 12200, June 10 at 0552, RHC English S9-S6 on 2 x 6100 much stronger, the voice of Lena (?) Valverde --- one cannot imagine her speaking extemporaneously like ``Ed Newman``, instead of stiltedly reading a script once run by the censors. Maybe she`s not that confident of her English fluency.

Searching the RHC website I get no hits on Valverde except for someone else surnamed. The About-us page is no help either to acquaint us with individual announcers, rather political reasons for RHC as an entity.

Since we often get such harmonix, this prompts me to compute possible harmonix of other higher RHC frequencies which might show up by sporadic E, especially now at season-peak. Here are all of them below 31.5 MHz, seconds, thirds, fourths; fifths and sixths for the lowest:

```
15730  =  31460
15370  =  30740
15230  =  30460
15140  =  30280
15120  =  30240
13740  =  27480
13700  =  27400
13650  =  27300
11950  =  23900
11880  =  23760
11800  =  23600
11760  =  23520
11700  =  23400
11670  =  23340
 9790  =  29370, 19580
 9640  =  28920, 19280
 9580  =  28740, 19160
 9570  =  28710, 19140
 9535  =  28605, 19070
 7380  =  29520, 22140, 14760
 7350  =  29400, 22050, 14700
 6145  =  30725, 24580, 18435, 12290
 6100  =  30500, 24400, 18300, 12200*
 6060  =  30300, 24240, 18180, 12120
 6000  =  30000, 24000, 18000, 12000*
 5990  =  29950, 23960, 17970, 11980*
 5040  =  30240, 25200, 20160, 15120, 10080
 5025  =  30150, 25125, 20100, 15075, 10050
 4765  =  28590, 23825, 19060, 14295*, 9530*
```

* indicates those which have axually been monitored as I recall.

Of course, these are possible only when the fundamental be on the air. Included are all currently active RHC and CRI relay frequencies, Rebelde, Progreso, but not jammers, intermodulation or other spurs, nor spy numbers which come from the same sites.

I`ve used a calculator to be sure all these be correct; more useful would be to arrange them into a single frequency order, but that`s enough for now. Perhaps someone else will do that? Of course, even higher harmonix are quite possible in a strong sporadic E opening from Cuba; an harmonic no more than 3X from 15730 would land on 47190 (Glenn Hauser, OK, WOR)

** CUBA. 13766 & 13634 approx., June 10 at 1337, RHC spurblobs out of 13700-AM, no readable mod. At 1354 I try for more, which are JBA circa 13569, 13831, with F# tone in AM which is also audible on S9+20 13700 but not on // unrelated 13740. However, at 1449 recheck 13700 still on but no spurs audible. Something`s always wrong at RHC.

BTW, if you find that remark tiresome, don`t blame the messenger. If RHC ever get its acts together, I shall happily stop saying it; DHYB (Glenn Hauser, OK, WOR)

** CUBA. Re my previous report about RHC, James Branum, OK, replies:

``Glenn, I think you are speaking about Elena Valverde. With regards to English fluency, I have met Irma (from the Mailbag show) on my two visits to RHC and can say she is extremely fluent in English. I hope to someday meet the other on-air staff, but so far have only met her.

As to the issue of censorship... That is not how it works in Cuban state media today. It is much more understated with an emphasis on staying on message, presenting Cuba in a positive light, etc. This approach is not far removed from what most state and corporate broadcasters do. James Branum, KG5JST and RHC fan`` (Glenn Hauser, OK, WOR)

** CUBA. 11670, June 11 at 0052, RHC S9+5 in Spanish and extremely distorted. Something`s always wrong at RHC.

5040, June 11 at 0056, RHC in French is also extremely distorted. Something`s always wrong at RHC (Glenn Hauser, OK, WOR)

** FRANCE. 7390, June 8 at 0539, RFI French with self-imposed beepery (Glenn Hauser, OK, WOR)

** FRANCE [and non]. 9805, June 9 at 0604, something is here under heavy Cuban jamming, certainly not Radio Martí. It`s RFI in Hausa at

0600-0630! Yet another station which doesn`t have the sense to avoid any frequency ever jammed by Cuba, at any time, any year. EiBi shows one other daring to employ 9805, KBS World Radio four hours a day, one of them axually overlapping RM at 10-11. See also ALGERIA [non] (Glenn Hauser, OK, WOR)

** KOREA NORTH [non]. 11510, June 5 at 1358, JBA carrier during CNR1 jammer search, but per Aoki/NDXC, only thing anywhen on 11510 is Radio Free North Korea at 13-14 via UZBEKISTAN. Or as in WRTH, Free North Korea Radio; and allegedly jammed. The userlist version of Aoki does not explain what * means, but apparently applied to jamming only by China as not upon Martí frequencies either (Glenn Hauser, OK, WOR)

** KOREA SOUTH. 9105, June 8 at 1321, weak in Korean, this week`s VOH frequency ex-9100 last week as confirmed by Ron Howard. Also with beeping about 9102.9, jamming? Maybe not as same sound heard against nothing on 8752.7 (Glenn Hauser, OK, WOR)

** KURDISTAN [non]. 11530, June 7 at 0551, S9-S7 ME song, nice, no jamming, but by 0557 there is a light fast SAH, perhaps the Turkish jammer; 0600 orchestral music and Dengê Welat ID, 0601 into news(?). Recheck at 0635, no signals. Aoki/NDXC shows a site switch at 0600 from Issoudun, FRANCE, to PRIDNESTROVYE, so that was likely the SAH carrier I had from a much weaker signal (Glenn Hauser, OK, WOR)

** NEW ZEALAND [non]. 9955, UT Thu June 11 at 0100, new WRMI relay of RNZ as per updated sked at 0100-0130, with `Korero Pacifica`, as on WRN to North America at this hour, about topic-V of course; but it`s only 15 minutes followed by Vatican on WRN sked. So presumably not live // 13840 RNZI direct, unchecked, with different Pacifican programming scheduled for full hour. Heavy jamming before 0100 vs Alameda Bible Fellowship in English now slowly abates. But what is the point of onsending this to South America one day a week? (Glenn Hauser, OK, WOR)

** NORTH AMERICA. 6933-USB, June 7 at 0002, pirate song at S3-S4; 0023 seems to say ``radio hub``, and guitar strumming. 0040 another announcement; 0051 says wife just brought him another bottle of wine, feeling good and will keep going; faded up to S8-S9, ``Zekey`s Attic here``. Next check 0105 is off. More reports: https://www.hfunderground.com/board/index.php/topic,68040.0.html (Glenn Hauser, OK, WOR)

** NORTH AMERICA. 6880-USB, June 7 at 0042, hard rock, S6-S7, 0048 ``X-FM Shortwave``; 0055 DJ acknowledging reports, e-mail from Brandon in Pennsylvania; someone in Columbus, Ohio; also posts on HF Underground; X-FM relayed by Mix. Reports to XFMshortwave@gmail.com or phone 408-800-6925 for E- or P-QSLs if there is sufficient detail to

verify; 0059 TC for ``one in front of one``, ID, ``east of the Rockies, west of Normal``. Still going at 0120. More reports, many with great reception: https://www.hfunderground.com/board/index.php/topic,68039.0.html AC 408 is Santa Clara county area, California, unlikely to be QTH with the good signals back east (Glenn Hauser, OK, WOR)

** NORTHERN MARIANA ISLANDS. 13790.047, June 4 at 0613, Chinese at S9-S7. It`s RFA via SAIPAN, this hour only; previous log via TINIAN was also 47 Hz high, askew signatures of these USAGM stations: 13575.047, May 30 at 1427 (Glenn Hauser, OK, WORLD OF RADIO 2037)

** OKLAHOMA [and non]. Since I no longer have a regular DXLD sexion UNSOLICITED TESTIMONIALS, I can`t resist quoting this nice response, especially since some other guy brickbats me and wants me banned from some list: (gh)

``Glenn, I always enjoy your detailed reports, writing style, and commentary! This time, I particularly liked your discussion of

“** U S A. 1270, June 2 at 2014 UT, in full daytime conditions, KRXO Claremore (Tulsa) OK silly sports talk at 5 kW with heavy SAH of exactly 1 Hz from another groundwaver.”

Lotta good DX tech & thinking in that, good science and detective work, plus I so agree with your assessment of “stupid sportstalk” programming. It’s why I cannot sit on any station for more than a few minutes these days, except the rare ones that run music. Can’t stand the mindless talk of any flavor. // Thanks again for your informative/entertaining reports, always a good read! – 73s de Fred in Waynesburg, PA (with a wonderful ICOM 7300 I seldom get to use)`` Schroyer, IRCA iog. Tnx, Fred! (Glenn Hauser, OK, WOR)

** SOUTH CAROLINA [non]. 5800, 5850, 5950, 7570, 7730, 7780, 9395, 9455, 9955, Sat June 6 at 1439, all these WRMI frequencies are on, wildly divergent strengths, the all-out live Sabbathday service of Brother HyStairical extending hours of some transmitters, 5010 also listed for TOMBS until 1600 Sats, not checked and probably inaudible. 15770 also on but stix with SMTV; and JBA 21525 Radio Africa (Glenn Hauser, OK, WOR)

** SUDAN SOUTH [non]. 11650, June 8 at 0334, Arabish from Radio Tamazuj ID in passing, music S9+10/20, still at 0403; also with lite somewhat intermittent het on 11648.8, jamming? RT at 0329-0427 is 250 kW, 335 degrees via MADAGASCAR so favouring us beyond; unchecked // 7315 France to its SE. Have never caught the English news Wed & Sat 0415-0425 per Ivo (Glenn Hauser, OK, WOR)

** SUDAN SOUTH [non]. 11650, my previous log of R. Tamazuj --- sounds like ``Tamazuk`` --- mentioning their alleged English news segment Wed & Sat at 0415-0425, served as a note-to-self to check it out at next opportunity: I had MADAGASCAR well direct but Wed June 10 at 0412 for convenience at the computer bring up UTwente instead, with a VG signal, much better than // 7315 via France. Interview by OM with YL on phone about Corona virus; the only English being when he says ``OK`` to start each reply. NO other English, keeps going in presumed Juba Arabic (which does sound rather different than standard Arabic), until 0422 music, 0427 elaborate sign-off; ending with mention of sibling FPU station Radio Dabanga, which axually starts to sign-on, before cut off the air at 0429.8*. Comes back on at *0431. There was no need for a break as per HFCC exactly the same parameters apply to both: 250 kW at 335 degrees, 15 slew, 159 antenna type. But where`s the English, Ivo? (Glenn Hauser, OK, WOR)

** TAIWAN [non]. 9955, Friday June 5 at 1406, WRMI-3 is still on with Freedom Synergy Radio, anti-PRC discussion in English. Original publicity for this said it would be on at 1400 via webcast but not SW; forgot to turn it off? Has anyone ever heard FSR in Spanish, also per original notice? Blalock the Blaster will impossiblize this on Sat & Sun, truly sked on 9955 until 1430 (Glenn Hauser, OK, WOR)

** TIBET [non]. 11570, June 5 at 1358, music unlike the CNR1 jammers being surveyed, 1400 still on open carrier S4-S7. Listed 12-14 is RFA Tibetan via KUWAIT (Glenn Hauser, OK, WOR)

** TURKEY. 9830, June 5 at 2225, VOT fair S4-S7 with music, no RTTY (Glenn Hauser, OK, WOR)

** TURKEY. 9830, June 9 at 2228, VOT English to us is on, but JBM if not dead air. Something`s always erroneous at Emirler. No RTTY QRM, anyway (Glenn Hauser, OK, WOR)

** U K [non]. 12015, June 4 at 0607, fair in English news about democratic movement in China, national-anthem law, Hong Kong; COVID-19 with someone from a London school. Yes, it`s BBCWS scheduled this hour only via VATICAN. Lots of other 25mb signals now in the nightmiddle, tnx to the Midnight Sun (Glenn Hauser, OK,, WOR)

** U K [non]. 11620, June 7 at 0602, news in French all about Africa, first especially Libya; altho fluent, the speakers seem not with the pristine Parisian accent, perhaps African-influenced. Aoki/NDXC shows this semihour is BBC via AUSTRIA, and gone at 0635 recheck. There is also a LAH, from? Only otherthing sked at this hour is CNR5, Beijing site; would not expect either to be off-frequency (Glenn Hauser, OK, WOR)

** U K. 9800, June 9 at 2100* poor signal with a smidgen of music and off. HFCC has it as Encompass via Woofferton in Arabic at 1800-2100 but we know it`s really World`s Last Chance Radio, having found 500 kW from Maine insufficient, at least while stuck to 9330. Also registered at 19-21 on 9800 is something NEW from Bulgaria in English; maybe a standby siteswitch for same? (Glenn Hauser, OK, WOR)

** U S A. 13565-CW, June 9 at 1424, K6FRC beacon in Patterson CA is JBA vs CODAR (Glenn Hauser, OK, WOR)

** U S A. 18131.778-USB, June 6 at 2049, W7YO is the OPSOB (only phone station on band), Glenn running 100 watts from the 4-corners area, leisurely contact with unheard AA3PM(?) discussing antennas, equipment. Still there at 2124 on the other receiver when measured. QRZ.com lookup: ``W7YO USA, GLENN M GURNEY, BLANDING, UT 84511``.

There is also some CW just above 21 MHz, but no phone audible on ``15`` meters, and nothing on 12 or 10. HF sporadic E opening.

I am paying close attention to MUFs as monitored and as on the 6m DX MAPs. Once in a while it pokes above 88 MHz, but in the wrong places, not enough for any FM DX to skip into here. We are around the nominal peak of the summer Es season, but it`s been very disappointing so far; indeed nothing since the surprise early opening in mid-April (Glenn Hauser, OK, WOR)

** U S A [and non]. WORLD OF RADIO 2036 monitoring: confirmed UT Thu June 4 at 0100 on WRMI 7780, JBA vs heavy storms across western NE/KS/OK/TX; LA/MS; MO/IL as well as further

WORLD OF RADIO 2037 contents: Brasil, Bulgaria, Cambodia non, Canada, China, Cuba, Estonia, France, Greece, India, Japan non, Korea North & South, Kuwait, Madagascar, North America, Northern Mariana Islands, Oklahoma, Papua New Guinea, Romania, Russia, Sarawak non, South Carolina non, Spain, Taiwan non, Turkey, Ukraine, UK non, USA, Vanuatu; and the propagation outlook

WOR 2037 is available as of 2343 UT Thursday June 4
(mp3 stream) http://www.w4uvh.net/wor2037.m3u
(mp3 download) http://www.w4uvh.net/wor2037.mp3

Or via http://www.worldofradio.com/audiomid.html
Also linx to podcast services.

The shortwave broadcasts should be:

0900 UT Friday Unique Radio NSW 3210-USB
2200 UT Friday WRMI 9955 to SSE [jammed]

0130 UT Saturday WRMI 5850 to NW, 5010 to S, 7780 to NE
0900 UT Saturday Unique Radio NSW 3210-USB
1130 UT Saturday WRMI 9955 [jammed][? not last week] to SSE
1300 UT Saturday WRMI 15770 to NE
1930vUT Saturday WA0RCR 1860-AM
0300vUT Sunday   WA0RCR 1860-AM [nominal 0315; as late as 0400]
0300 UT Sunday   WRMI 5800 to SSE
0900 UT Sunday   Unique Radio NSW 3210-USB
0130 UT Monday   WRMI 7780 to NE
0230 UT Monday   WRMI 7780 to NE
0300vUT Monday   WBCQ 5130v Area 51 or 6160v to WSW
0330 UT Monday   WRMI 9955 [jammed] to SSE
0900 UT Monday   Unique Radio NSW 3210-USB
1800vUT Monday   IRRS 7290 Bulgaria to WNW, 594-Italy
0100 UT Tuesday   WRMI 7780 to NE
2100 UT Wednesday WBCQ 7490v to WSW
0100 UT Thursday WRMI 7780 to NE

Full schedule including AM, FM, webcasts, satellite, podcasts:
http://www.worldofradio.com/radioskd.html

Thanks this week for financial support from Tom Goodfellow,
Palm Desert CA, who sent a generous contribution via PayPal to
woradio at yahoo.com
PayPal not necessarily in US funds as they will convert.
One may also contribute by MO or check in US funds on a
US bank to: Glenn Hauser, P O Box 1684, Enid OK 73702
(Glenn Hauser, OK, WOR)

** U S A [and non]. WORLD OF RADIO 2037 monitoring: confirmed first
NAm broadcast, Friday June 5 at 2200 on WRMI 9955, good via TWR SDRs
both in Bonaire (er, ``Caribbean Netherlands``), and Dominican
Republic, no jamming audible; at 2225 check direct to OK, only S4-S6,
very poor.

Also confirmed UT Sat June 6 at 0130 on WRMIs, audible on all three in
decreasing strength order from VG to fair: at Bonaire, 5010 > 5850 >
7780; at Alexandria VA, 5850 > 5010 > 7780. Next:

Would those awake at 1130 Saturday please confirm whether WOR be on
WRMI 9955, as it was not last week tho still scheduled; direct, remote
receiver, or webcast will suffice. Tnx.

0900 UT Saturday Unique Radio NSW 3210-USB
1130 UT Saturday WRMI 9955 [jammed][? not last week] to SSE
1300 UT Saturday WRMI 15770 to NE
1930vUT Saturday WA0RCR 1860-AM
0300vUT Sunday   WA0RCR 1860-AM [nominal 0315; as late as 0400]

0300 UT Sunday   WRMI 5800 to SSE
0900 UT Sunday   Unique Radio NSW 3210-USB
0130 UT Monday   WRMI 7780 to NE
0230 UT Monday   WRMI 7780 to NE
0300vUT Monday   WBCQ 5130v Area 51 or 6160v to WSW
0330 UT Monday   WRMI 9955 [jammed] to SSE
0900 UT Monday   Unique Radio NSW 3210-USB
1800vUT Monday   IRRS 7290 Bulgaria to WNW, 594-Italy
0100 UT Tuesday   WRMI 7780 to NE
2100 UT Wednesday WBCQ 7490v to WSW
0100 UT Thursday WRMI 7780 to NE
(Glenn Hauser, OK, WOR)

** U S A [and non]. WORLD OF RADIO 2037 monitoring: NOT confirmed, Saturday June 6 at 1130 on WRMI, 9955, tho still on their sked. Tnx to Richard Langley, NB, who also checked it as I hoped to be asleep, says it`s again Jack Van Impe (deceased), like last week.

15770, Sat June 6 at 1314, WRMI is JBA but traces sound like me.

After 1600 Sat June 6, WOR 2037 confirmed on WRN webcast. Next:

1930vUT Saturday WA0RCR 1860-AM
0300vUT Sunday   WA0RCR 1860-AM [nominal 0315; as late as 0400]
0300 UT Sunday   WRMI 5800 to SSE
0900 UT Sunday   Unique Radio NSW 3210-USB
0130 UT Monday   WRMI 7780 to NE
0230 UT Monday   WRMI 7780 to NE
0300vUT Monday   WBCQ 5130v Area 51 or 6160v to WSW
0330 UT Monday   WRMI 9955 [jammed] to SSE
0900 UT Monday   Unique Radio NSW 3210-USB
1800vUT Monday   IRRS 7290 Bulgaria to WNW, 594-Italy
0100 UT Tuesday   WRMI 7780 to NE
2100 UT Wednesday WBCQ 7490v to WSW
0100 UT Thursday WRMI 7780 to NE
(Glenn Hauser, OK, WOR)

** U S A [and non]. WORLD OF RADIO 2037 monitoring: confirmed UT Sunday June 7 at 0300 on WRMI 5800, VG at TWR Dominican Republic SDR.

Also confirmed at 0353 UT Sun June 7 on WA0RCR, 1860-AM, MO, noisy via Chicago SDR, at the midpoint so started circa 0339. Next:

0130 UT Monday   WRMI 7780 to NE
0230 UT Monday   WRMI 7780 to NE
0300vUT Monday   WBCQ 5130v Area 51 or 6160v to WSW
0330 UT Monday   WRMI 9955 [jammed] to SSE
0900 UT Monday   Unique Radio NSW 3210-USB

1800vUT Monday   IRRS 7290 Bulgaria to WNW, 594-Italy
0100 UT Tuesday   WRMI 7780 to NE
2100 UT Wednesday WBCQ 7490v to WSW
0100 UT Thursday WRMI 7780 to NE
(Glenn Hauser, OK, WOR)

** U S A [and non]. WORLD OF RADIO 2037 monitoring: confirmed UT Monday June 8 at 0130 & 0230 on WRMI 7780, VG at UTwente where it`s aimed. Also confirmed at 0130 on WRN webcast.

Also confirmed UT Mon June 8 starting a minute early at 0259 on Area 51 webcast; 5130 WBCQ not checked until over at 0332, S9+10/20.

Also confirmed UT Mon June 8 at 0332 on WRMI 9955, JBA here vs storm noise and no jamming; VG via TWR Bonaire SDR. Next:

1800vUT Monday   IRRS 7290 Bulgaria to WNW, 594-Italy
0100 UT Tuesday   WRMI 7780 to NE
2100 UT Wednesday WBCQ 7490v to WSW
0100 UT Thursday WRMI 7780 to NE
(Glenn Hauser, OK, WOR)

** U S A [and non]. WORLD OF RADIO 2037 monitoring: confirmed Monday June 8 at 1801 on IRRS 7290 via BULGARIA. Recorded off UTwente SDR and spotchecked later, apparently intact for the next 29 minutes.

I start setting up recording at 1702 when Iran`s Russian service from 1650 is running --- and I am already hearing the ``RTTY``-- like warble underneath, so that sound is NOT coming out of IRRS as I previously thought, but what? Is it an artifact at UTwente; or somesignal on 7290 at broader hours? I have not compared to what happen via other SDRs. BTW, Iran`s Russian hour on 7290 is somehow missing from Aoki/NDXC, but correctly in EiBi.

[24 hours later, June 9 at 1750 during the break, I am trying other SDRs, such as Bucharest, and after a VG signal from Iran, there is definitely high-speed RTTY or something on 7291! What`s it doing in the broadcast band? Intruder! And there is now a weaker unID 7290 broadcast signal with songs, which unseems either VIRI or IRRS; only other 7290 scheduled is CNR1 Beijing site until 1805, Via UTwente, it`s JBA under IRRS open carrier before it modulate at 1759. Back to Bucharest, the unID has a 5+1 China-style timesignal at ToH. Talk resumes and it does seem to stop at 1805. IRRS is sufficient at Bucharest but much stronger at UTwente; `Wavescan` after 1830 Tue.]

Now back to June 8: My recording starts at 1750 when the VIRI IS is briefly heard, and off*, this week in plenty of time before IRRS. The warble is still heard with neither station in the break. After a few

minutes of open carrier, circa 1759, IRRS feed cuts on during a song; soon ``From south of the Alps in northern Italy, you are tuned in to I double-R S shortwave, address P O Box 10980 in N-20110 MILL-ah-noh, Italy`` and phone number; right into FSN Washington quick headlines before WOR.

Also confirmed UT Tue June 9 at 0100 on WRMI 7780, VG at Utwente, weak ute ACI from 7784 evitable; direct check at 0129, S9 with different co-channel uteblaaps on and off. Next:

2100 UT Wednesday WBCQ 7490v to WSW
0100 UT Thursday WRMI 7780 to NE
(Glenn Hauser, OK, WOR)

** U S A. WORLD OF RADIO 2037 monitoring; next:
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Full schedule including AM, FM, webcasts, satellite, podcasts:
http://www.worldofradio.com/radioskd.html
(Glenn Hauser, OK, WOR)

** U S A. WORLD OF RADIO 2037 monitoring: confirmed Wed June 10 from 2100:20 on WBCQ 7490v, JBA, unfortunately much worse than 24 hours ago.

Also confirmed UT Thu June 11 at 0100 on WRMI 7780, S3-S7 VP in noise here, good at UTwente SDR.

Full schedule including AM, FM, webcasts, satellite, podcasts:
http://www.worldofradio.com/radioskd.html

Thanks this week for financial support from Tom Goodfellow,
Palm Desert CA, who sent a generous contribution via PayPal to
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One may also contribute by MO or check in US funds on a
US bank to: Glenn Hauser, P O Box 1684, Enid OK 73702

Next WOR 2038 should be ready by early UT Friday June 12 for first WRMI broadcast at 2200 on 9955 (Glenn Hauser, OK, WOR)

** U S A. 5130, June 5 at 0150, 0159, 0202 chex, NO signal from this WBCQ, when `The Big Broadcast of 2020` is supposed to be repeating triply. I had lamented that the original airing a few weeks ago on 7490 and only in the daytime at 2100 UT would peter out long before it got to OK, so Bill Tilford got this nighttime playback scheduled. 5130 however does eventually come on, by next check 0223. At the outset I

also have a JBA carrier on 3265.1, which could be the other BCQ, but not committed to carry this.

Meanwhile, the BBC does start at 0200 on 7490 and 6159.9v following the far right nonsense from Hal Turner. I don`t need to listen now since I heard it the first time via webcast, but I hope others are getting it better now than I am, with too much storm noise from the SW corner of KS and the SW quadrant of OK.

At least 6159.9 has no QRM from 6160.0 despite not one but two Brazilians now being reported reactive; maybe daytime only?

I notice immediately that they are not synchronized: 6159.9 is a word ahead of 7490, and 5130 is a few words behind 7490. By 0223 all three register S9/+10 on the meter, and 7490 suffers the least storm noise, 5130 the most as to be expected. Now if this were only on 9330 instead of the wacko flat-earthers, would be loud and clear. Too bad the deal with WLC did not allow for WBCQ`s own programming to take over on special occasions or for a few hours per week. It`s the least they could do for causing Allan so much grief to keep it running (Glenn Hauser, OK, WOR)

** U S A. 7490v // 6160v // 5130v, UT Sat June 6, WBCQ cuts off FKB gospel huxter --- does that stand for Father Knows Best? --- before he can sign off with wrong WINB frequency, starting `William Tell Overture` promptly for `AAAWWW`; final interjexion sounds like ``Klondike`` --- OKaayy. Initial topix are black flies (again), mosquitoes, ice cream and air conditioning, subjects which do not really draw me in, so will anticipate John Carver`s full report:

``Tonight's show started on time on 5130, 6160 and 7490. Allan and Angela in the studio. Opening talk about black flies, Klondike Bars and mosquitoes. Phone call at 0010 from Andy talking about ice cream and air conditioning in cars.

Allan reads an email congratulating them on the wonderful music special that they ran last night on three frequencies. Then came the obligatory comments about how beautiful Angela is.

Phone call at 0024 about transmitters and monitoring radio usage by reading the local oscillator signals. He also commented on the better reception of 7490 this evening. Allan stated that they had increased power on all the classic transmitters and replaced several tubes and spent a lot of money in doing so and said he'd probably spend more money on them before they go back to Fla.

He also said that he and Angela and Tom and another crew member had fixed the tube ring on the big transmitter on Monday of this week. He

posted a picture of the ring on twitter today. Said it was about the thickness of a paper towel and cost four thousand dollars. He is not impressed with the ring or that system. They are running the transmitter at slightly lower power for awhile at his command.

The plumbing job he talked of a couple of weeks ago started leaking again. He said it was a Chinese coupler that gave out. He went to the store and bought more supplies and did it all over again.

Then talk about a letter they received complaining about the Hal Turner show. He said it was a very nice letter and they answered as usual by saying they would do nothing to censor Hal Turner and if the writer was concerned they should write directly to Hal Turner.

Reading of emails at 0053 and closing prayer at 0057. Show was off the air at 0100 and 5130 signed off the air at that time instead of continuing with the Hal Turner show as they've been doing recently. John, Mid-North Indiana``

I do take the trouble to measure the frequencies at 0018, all of which are wavering slightly --- is it something about the AC power supply in Monticello causing that? 7489.965v, 6159.894v, 5129.979v (Glenn Hauser, OK, WOR)

** U S A. 5890, June 5 at 0604, dead air from WWCR-4 despite TOMBS having bought out the transmitter; it`s committed to a certain amount of dead air anyway. Who needs it? TOMBS is blaring away with equally VG signal on 5850 WRMI-12, and modulated to boot, among others (Glenn Hauser, OK, WOR)

** U S A. 7490v, June 9 at 2105, WBCQ in `AAAWWW` playback from June 6 as he`s talking about making their own ice cream; yes, listed as an Available Time Slot. Better reception than I expect this early in the summer; AW recently said he had beefed up power on the classic transmitters; now fair S6-S9, let`s hope also for WOR 24 hours later on Wednesday (Glenn Hauser, OK, WOR)

** U S A. 17775-, June 6 at 1456, KVOH is on, and propagating S9+10 with prélude/IS and ID, 1500 another ID and sign-on; 1501.3 starts `Wavescan` #589 for release June 7; first feature is about West Bengal, land of White Tigers; we already got the script and published it in WOR iog, since it was mislabeled as for May 31, #588 (Glenn Hauser, OK, WOR)

** U S A. 15809.977, June 6 at 2138, very weak and fading carrier, some JB modulation? rock music at peaks, and Ted? Must be the seldom activated WTWW-3. Still past 2144+. Similar signal to 15825 WWCR, neither getting any sporadic-E boost over this path despite lots of HF

MUFs around the continent. It seems the last times I logged this were August 18-19, 2018, offset at .938 and .930.

5085, WTWW-2 is on and arriving this early at 2140 much better with woman`s voice not //, presumably some ham show this Saturday. The other possible WTWW frequencies, 9930, 9475 and 5830 are all silent, and probably 12105 if I could have remembered it.

By 0100 June 7, only 5085 heard with quotation from Exodus, ID and rock music, distorted on S9+30/40 signal.

15810, June 7 at 1839, JJBBA carrier, even weaker than 15825 WWCR, but suspect WTWW-3 on again; however by 1850 nothing to be heard via several remotes in different direxions at greater distances.

Once again there is plenty of HF Es around the USA, but not over the TN/OK path. High MUF spots into the 90s are scattered, either too far or to close over here; nada on an FM bandscan at 1800-1814 UT concentrating on 88-98 MHz (Glenn Hauser, OK, WOR)

** U S A. 7505, June 10 at 0144, WRNO is S9+10/20 of dead air; except for some JBA beeping, QRM or self-inflicted? (Glenn Hauser, OK, WOR)

** U S A. 15825, June 9 at 2050, dead air except for squeal! from WWCR-1; finally about 2050.5 starts `Unshackled` at very odd hour. Maybe it`s the default filler for a failure? No, it`s scheduled for 2030 Tuesdays. Anyhow, noting an S9-S7 signal boost by sporadic E. Despite these tipoffs, VHF Es openings MUF into the FM band continue to elude me (Glenn Hauser, OK, WOR)

** U S A. 6100-6130, June 11 at 0044, WWCR-1 besides that awful squeal is spewing hash out across his range (Glenn Hauser, OK, WOR)

** U S A. 1520, June 6 at 0538 UT, the KYND Cypress TX barker can again be heard mixing with KOKC; how brazen --- how futile. 25 kW daytimer with no business and no authority at night.

1540v, June 6 at 0539 UT, LAH, of course from off-frequency-minus KGBC Galveston; last night I checked here, there was no het; intermittent.

1560, June 6 at 0540 UT, bits of Vietnamese in the mix, i.e. KGOW Bellaire TX also in the Houston market, http://vietradio.com/ --- beware, audio autolaunches without permission; but no longer dominant here on 1560. Perhaps have finally reverted to 15 kW licensed night pattern, totally SE into the Gulf.

FCC AM Query shows a *nine*-tower direxional array peaking at 145 degrees,

https://transition.fcc.gov/Bureaus/MB/Databases/AM_DA_patterns/1325314-108410.pdf
i.e. aiming for the Vietnamese communities upon oil platforms,
Yucatán, Central America, across South America: Colombia/Ecuador,
Iquitos, Bolivia, Paraguay/Uruguay borders with Argentina/RGS; vs
plenty of other 1560s (Glenn Hauser, OK, WOR)

** VANUATU. 11835, June 7 at 0627, ``island music``, must be the third
harmonic of RV, 3 x 3945 as has been erupting now for weeks and often
reported by Ron Howard. First time I`ve heard it since it`s now coming
on an hour earlier at *0600 before my too-late-already bedtime. RV
keeps changing frequency/times, so get it while we can.

Also a JBA carrier on 7890 = 2 x 3945. I measure it on 11835.000, but
Ron`s recent recording has a low het upon it; China being the
co-channel but they are normally spot-on. At 0630 there is a
sounder/drumming, and talk, not sure of language but intonation sounds
French; Ron reported on June 6 and says the same was on June 7 at this
time:

``0630-0644: "Half past five"; "Press Release," with very detailed
information about applying for an interest free loan from the Cyclone
Harold Vanuatu National Provincial Fund, given in French, Bislama and
English; followed in English with message from school Principal Fred
Ottman, about the Aore Adventist Academy being relocated and giving
students detailed instructions for the move. Good number of IDs
("Radio Vanuatu, Vois Blong Yumi"); some light China QRM and a slight
het.
My audio of French, at http://bit.ly/30eYzVl
My audio of English, at http://bit.ly/2XB5xCg .``

Here it`s S4-S7, so hard to believe this be an accidental harmonic.
Station is aware of these and was supposedly going to fix them, but we
hope they don`t! Tnx to our summer, 25m is hopping with other signals,
but NZ has already dropped to 50m (Glenn Hauser, OK, WOR)

** VANUATU. 11835, June 8 at 0530, YL talk in unID language, weak, but
RV 3945 + harmonix must be on even earlier today than *0600; also JBA
carrier on 2 x 3945 = 7890. Ron Howard confirms hearing 11835 as early
at 0445, and 3945 until 1104* so did not use either 5040 or 2485
today: ``Will be interesting to see what their permanent schedule will
look like, if they ever decide on one. Ron`` (Glenn Hauser, OK, WOR)

** VANUATU. 11835, June 10 at 0547, S6-S8 seems like Bislama from R
Vanuatu; 7890 with JBA carrier, harmonix from 3945, but no signal on x
4 = 15780; 0555 music, 0559 announcements mixed with music, maybe one
English word caught, ``o`clock``. It seems they are running 3945 +
multiples earlier and earlier, or all the time? Ron Howard listened to

11835 from 0445 June 8, and they were already on at 0255 June 9 (Glenn Hauser, OK, WOR)

** ZAMBIA. 11680, Sun June 7 at 0615, AWR Wavescan is coming in quite well via VOHA (Glenn Hauser, OK, WOR)

UNIDENTIFIED. 7703 approx., June 4 at 0555, local scratch noise blob peaking here and elsewhere is still/again on. And circa 1400, when an OG&E maintenance truck is spotted next to my closest pole, the one with the automatic streetlight circa sundown, but soon gone and no change yet in the problem.

7703 et al., gone again at 0121 check June 5, clearing the bands for unfettered storm noise (Glenn Hauser, Enid OK, WOR)

UNIDENTIFIED. 9110-9170, 9485-9510, 9845-9875, June 5 at 1401, local sporadic scratchy noise blobs peaking roughly in center of these ranges.

10205-10225, 10560-10590, 10920-10950, June 5 at 1408, more of them audible up to 11 MHz, all at roughly/average 360-kHz intervals (Glenn Hauser, OK, WOR)

UNIDENTIFIED. June 6 at 1435, local scratch-noise blobs cutting in and out circa 9208-9239, 7730-7790 (Glenn Hauser, Enid OK, WOR)

UNIDENTIFIED. Local scratch-noise blobs not noticed during the day June 7, but later June 8 at 0536+, approx.: 9505-9532, 9860-9890, 7335-7385, 7695-7730.

Also June 8 at 1325 around 8765-8820, 9120-9175, and no doubt the other usual ranges (Glenn Hauser, OK, WOR)

UNIDENTIFIED. 11130-11155, June 9 at 1358, local scratch-noise peak blob around here during CNR1 jammer bandscan; others in the 10s as usual (Glenn Hauser, OK, WOR)

UNIDENTIFIED. Local scratch-noise blobs have drifted up/down but still at about 360 kHz intervals. Any idea what device would behave like that? June 9 at 2100 finds them around 9700-9750 peaking 9725-9730; 9335-9400, 9370; 8975-9050, 9010 (Glenn Hauser, Enid OK, WOR)

UNIDENTIFIED. Local wandering scratch-noise blobs, June 11 0038-0048 include: approx. 6900-6935, 9020-9080, 9360-9430, 9720-9800; and surely more splotches between 7 and 9 MHz (Glenn Hauser, OK, WOR)

UNIDENTIFIED. 11000-USB, June 9 at 1359, 2-way in English, military? ``stand by``; ``loud & clear``; noticed while bandscanning for CNR1

jammers. UDXF iog has some 2019y logs of Algerian Air Force; I don`t think so, now (Glenn Hauser, OK, WOR)

UNIDENTIFIED. 11494-USB, June 5 at 1355, 2-way in English, JBA with uteblaaps. In UDXF iog several recent logs here from USCG Cutters (Glenn Hauser, OK, WOR)